

MATERIAL SAFETY DATA SHEET

VC 5

1. INFORMATION OF THE SUBSTANCE /PREPARATION AND OF THE COMPANY /UNDERTAKING

- 1.1 IDENTIFICATION OF THE SUBSTANCE /PREPARATION Natural Calcium Carbonate
- 1.2 PRODUCT USES: Paints & coatings, Paper, Plastics, Rubber, Constructions & ceramics formulations.
- 1.3 COMPANY /UNDERTAKING IDENTIFICATION 20Microns Limited, 307-308, Arundee Complex, Race course, Baroda-390007, India.
- 1.4 EMERGENCY TELEPHONE NUMBER: 02668-262711
- 1.5 This Product is exempted from REACH registration in accordance with Annex V.7

2. HAZARDS IDENTIFICATION

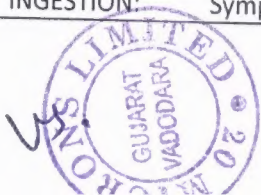
- 2.1 Classification of the substance or mixture
Classification (Regulation (EC) No.1272/2008 and in Directive 1999/45/ECC)
Not classified as hazardous under GHS criteria for this product.
Powder particles may cause irritation to skin and eyes. Prolonged and repeated exposure may cause irritation to respiratory system.

3. COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 COMPOSITION : Natural Calcium Carbonate
- 3.2 CAS REGISTRY No.: 471-34-1
- 3.3 EINECS NO.: 207-439-9
- 3.4 CONTENT APPROX.: 98.5 - 100%
- 3.5 HAZARDOUS INGREDIENTS: None
- 3.6 CLASSIFICATION /SYMBOL: Not applicable
- 3.7 H S CODE: 28 36 50 00
- 3.8 GHS/EC Hazard Classification: Not classified as hazardous
- 3.9 REACH STATUS: Exempt

4. FIRST AID MEASURES:

- EYE CONTACT: Rinse with plenty of water.
In case of irritation, seek medical advice.
- SKIN CONTACT: Wash with water.
- INHALATION: Move person to fresh air.
In case of indisposition, seek medical advice.
- INGESTION: Symptomatic treatment. In case of indisposition, seek medical advice.



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5.0 FIRE FIGHTING MEASURES:

Non-flammable ,non-combustible substance

6.0 ACCIDENTAL RELEASE MEASURES:

Do not flush down drains. Slippery when wet-cordon off for road and pedestrian traffic.
In case of spillage, wear respiratory protection and sweep and collect and dump in licensed landfill site.
Avoid contact with acids.

7.0 HANDLING AND STORAGE:

7.1 HANDLING: Avoid contact with skin ,wear respiratory protection if excessive dust is released
From opened packaging.

7.2 STORAGE: Store in original packaging, under dry conditions.
Not generally affected by hot or cold storage.

8.0 EXPOSURE CONTROL/PERSONAL PROTECTION:

8.1 RESPIRATORY PROTECTION:

Maintain air concentration below the occupational exposure standards, using engineering Controls if necessary. Where this is not possible, wear an approved, P1 dust mask where Concentration is less than 10x permissible exposure limit.

ACGIH TLV: Not applicable

OEL(8 HRS): Not applicable

Total find dust: Not applicable

OEL(respirable crystalline silica): Not applicable

8.2 HAND PROTECTION:

Wear gloves to prevent irritation and drying out skin.

8.3 EYE PROTECTION:

Wear goggles. Do not wear contact lenses when handling this product, as particles may get Trapped underneath and cause irritation.

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8.4 SKIN PROTECTION:

Clothing fully covering skin, full lengths pants, long sleeved overalls, with close fittings at openings. Footwear avoiding dust penetration.

8.5 ENVIRONMENTAL EXPOSURE CONTROL:

All ventilation systems should be filtered before discharge to atmosphere.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

9.1 GENERAL INFORMATION:

Appearance	Powder
Colour	White
Odour	-

9.2 HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION:

pH Value	8.5 – 9.5
Melting point	Not applicable
Boiling Point	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability	Not applicable
Upper/Lower Flammability or Explosive limit	Not applicable
Vapour pressure	Not applicable
Vapour Density	No vapour
Solubility	
A) Water Solubility	Insoluble in water
B) Fat Solubility	
Partition Coefficient	Not applicable
N-Octanol/H ₂ O	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Viscosity	Not applicable

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10. STABILITY AND REACTIVITY:

10.1 REACTIVITY:	None known.
10.2 CHEMICAL STABILITY:	Stable normal storage, handling & environmental condition.
10.3 POSSIBILITY OF HAZARDOUS REACTION	This product is stable if stored & handled as indicated.
10.4 CONDITIONS TO AVOID	Avoid dust formation. See section-7, Handling & Storage.
10.5 INCOMPATIBLE MATERIALS	No substances known that should be avoided.
10.6 HAZARDOUS DECOMPOSITION PRODUCTS	None known. This product is stable in water.
10.7 FURTHER INFORMATION	None

11. TOXICOLOGICAL INFORMATION:

Acute Oral toxicity	Data not available
Skin Corrosion/irritation	Data not available
Serious eye damage/irritation	Data not available
Respiratory or skin irritation	Inhalation of dusts causes discomfort to the upper Respiratory tract. Prolonged and repeated exposure can affect the respiratory system.
Germ cell mutagenicity	Data not available
Carcinogenicity	Data not available
Reproductive toxicity	Data not available
STOT-Single exposure	Data not available
STOT-repeated exposure	Data not available
Aspiration Hazards	Data not available
General	This product is natural inorganic mineral and this product is Processed to purify therefore no hazard expected.



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12. ECOLOGICAL INFORMATION:

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In its solid state, This product is a natural mineral of the earth. In its dissolved state, the substance is a natural and indispensable component of natural waters.

Toxicity:

LC 50 Fish 96 h

No data available

LC50 Daphnia 49 h

No data available

LC50 Algae 72 h

No data available

Persistence & degradability

Not degradable- it is a naturally occurring rock, part of the Earth crust.

Bioaccumulative potential

No data available. This product is not expected to accumulate in biota.

Mobility in soil

This product is practically insoluble.

13. DISPOSAL CONSIDERATION:

Do not wash down drains or into water ways.

Sweep up, or vacuum up into paper bags and dispose of in general landfill. Cover up with dirt to minimize dust generation. This product is a natural component in the earth's crust.

14. TRANSPORT INFORMATION:

UN Number

None allocated

UN Proper shipping name

None allocated

GGVSee/IMDG CODE

None allocated

GGVE/GGVS

None allocated

RID/ADR

None allocated

ICAO/IATA-DGR

None allocated

ADNR

None allocated

15. REGULATORY INFORMATION:

R-phrases

S-phrases

This product is in the German water contamination class: "Not dangerous to water".

No special labeling required, since all minerals contained in this products are not classified as dangerous.

This Product is exempted from REACH registration in accordance with Annex V.7.



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16. OTHER INFORMATION : Registration status

Switzerland:	Not applicable
Europe/EU:	EINECS Listed under CAS No.471-34-1
USA:	Not applicable
Canada:	Not applicable
Australia:	Not applicable
Japan:	Not applicable
People's Rep. of China:	Not applicable
South Korea:	Not applicable
New Zealand:	Not applicable

Department issuing this data sheet: Central QA Department.

Revised Date: 01/01/2018, Revision No:00

